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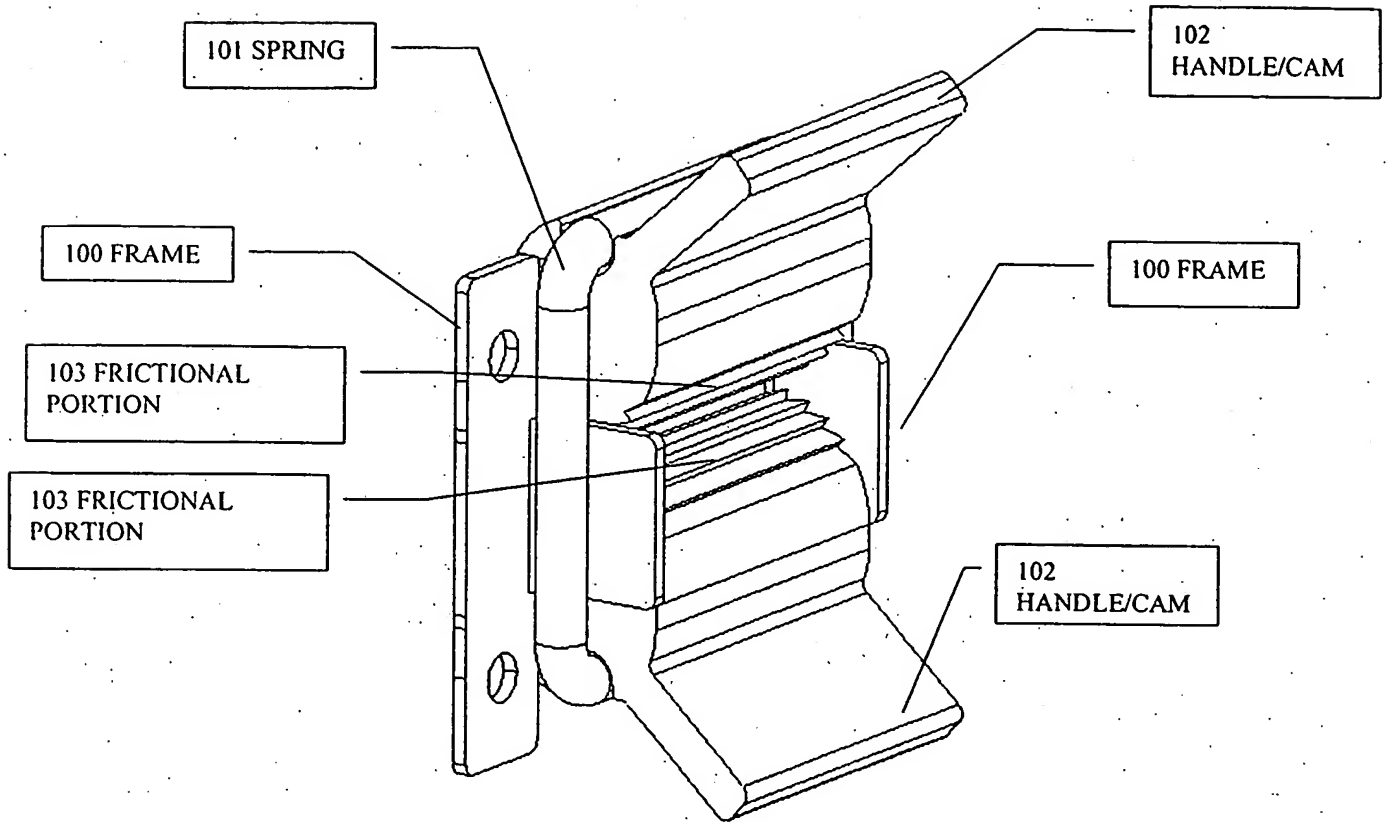


Figure 1: Isometric View of the Central Adjuster.

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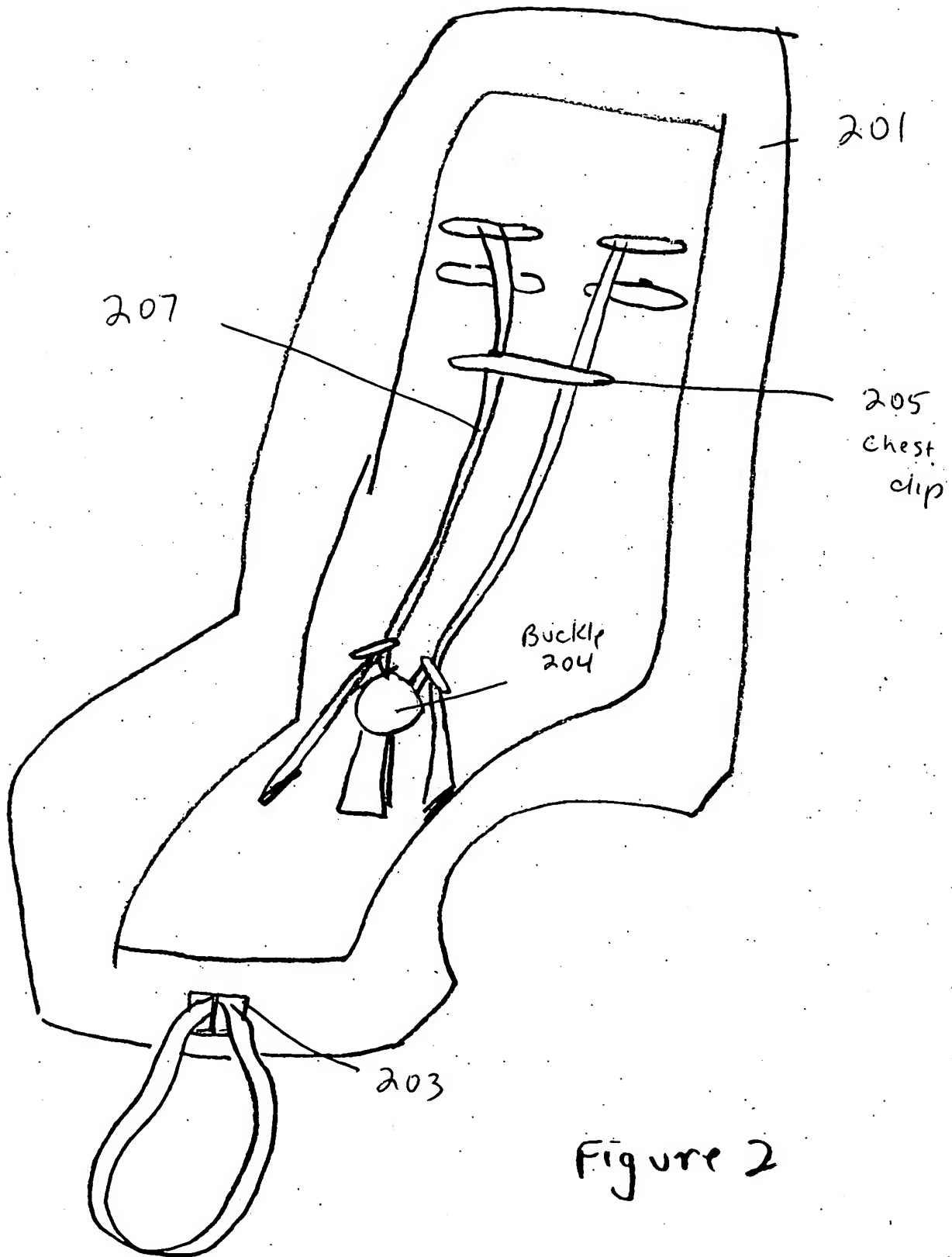


Figure 2

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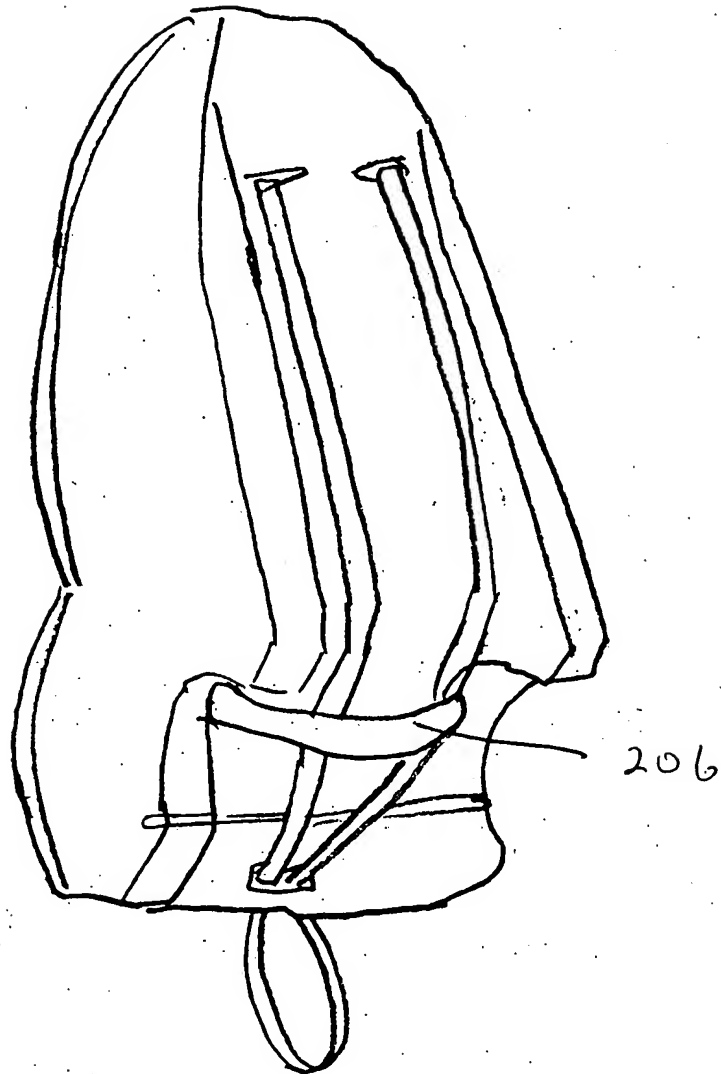


Figure 3

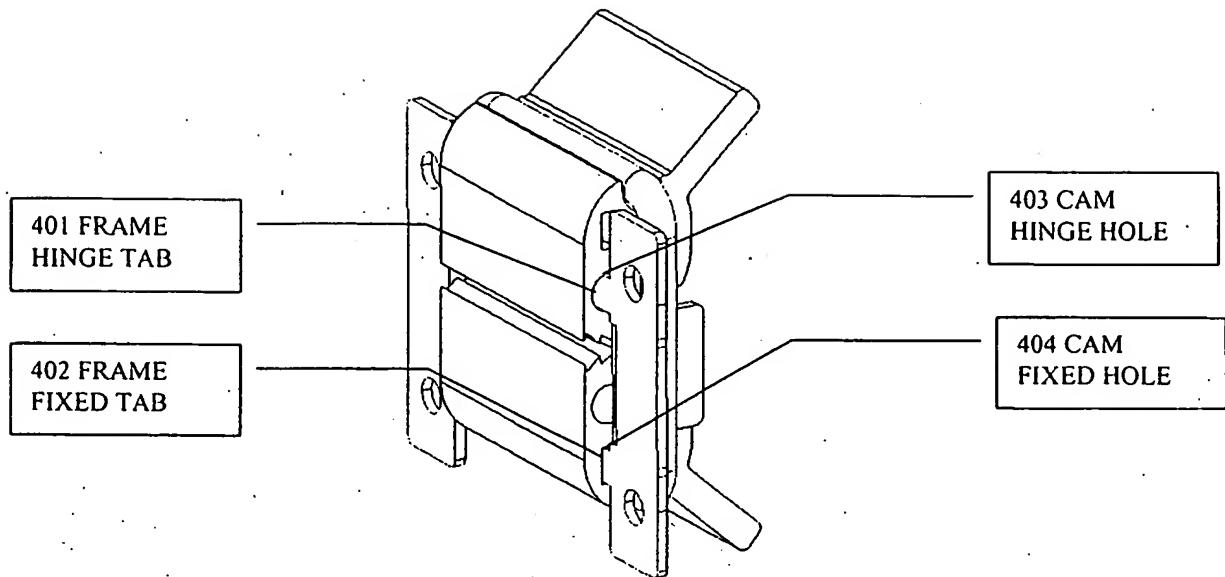


Figure 4: Alternative Embodiment with one cam fixed to the frame.

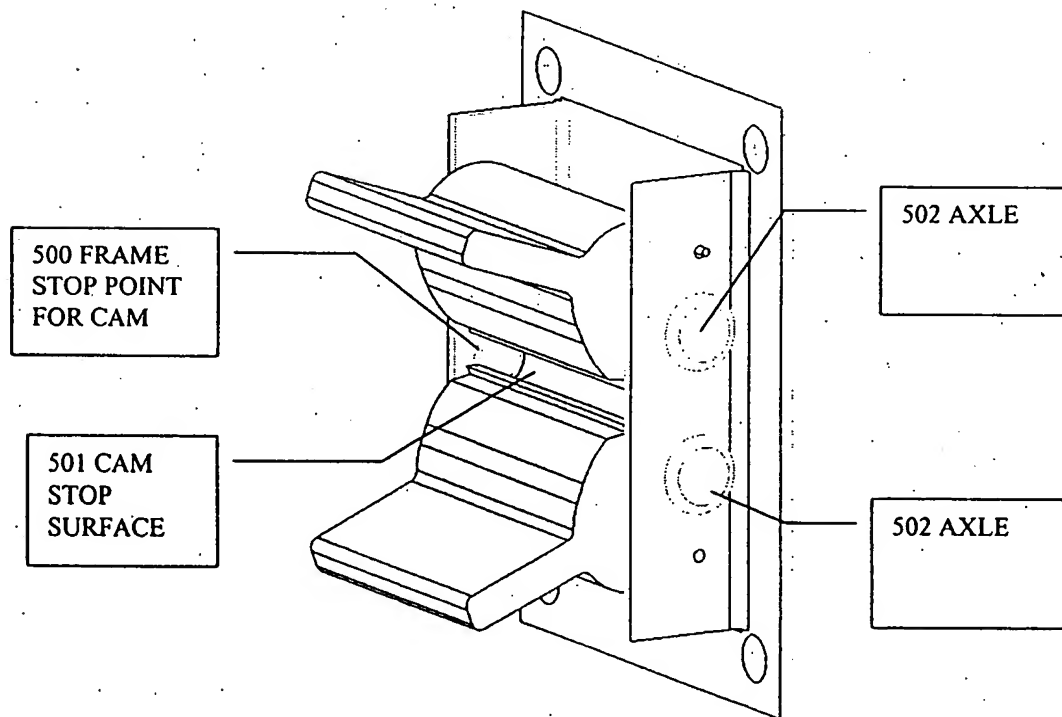


Figure 5a: Alternative Embodiment with one cam having limited rotational freedom.

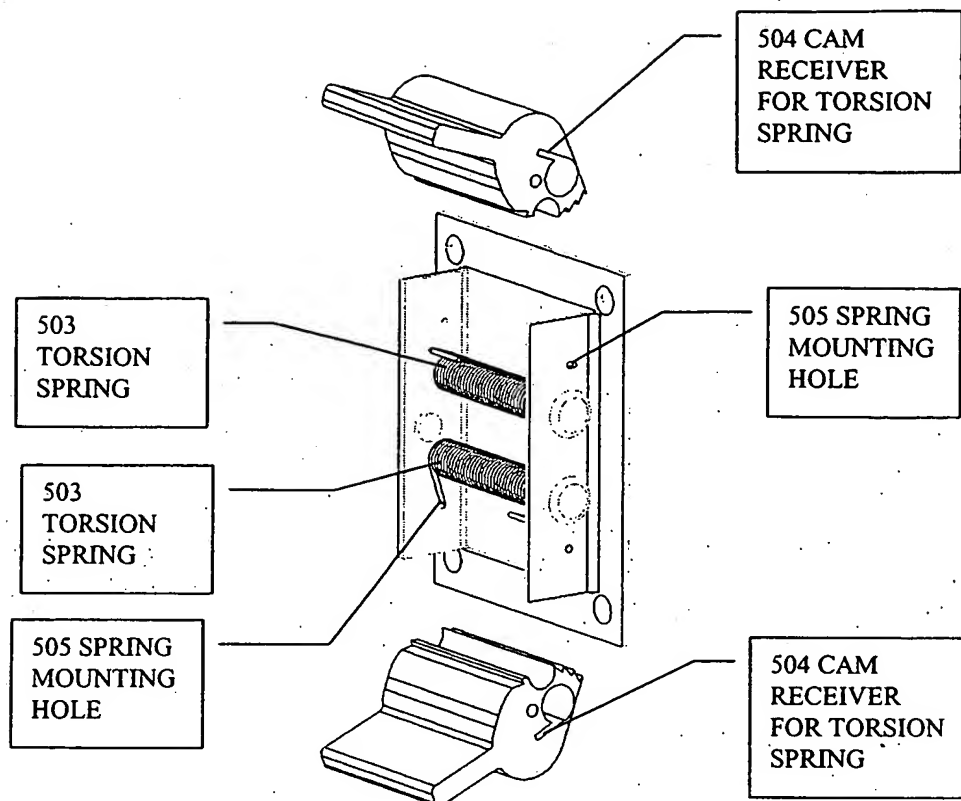


Figure 5b: Alternative Embodiment with one cam having limited rotational freedom, exploded.

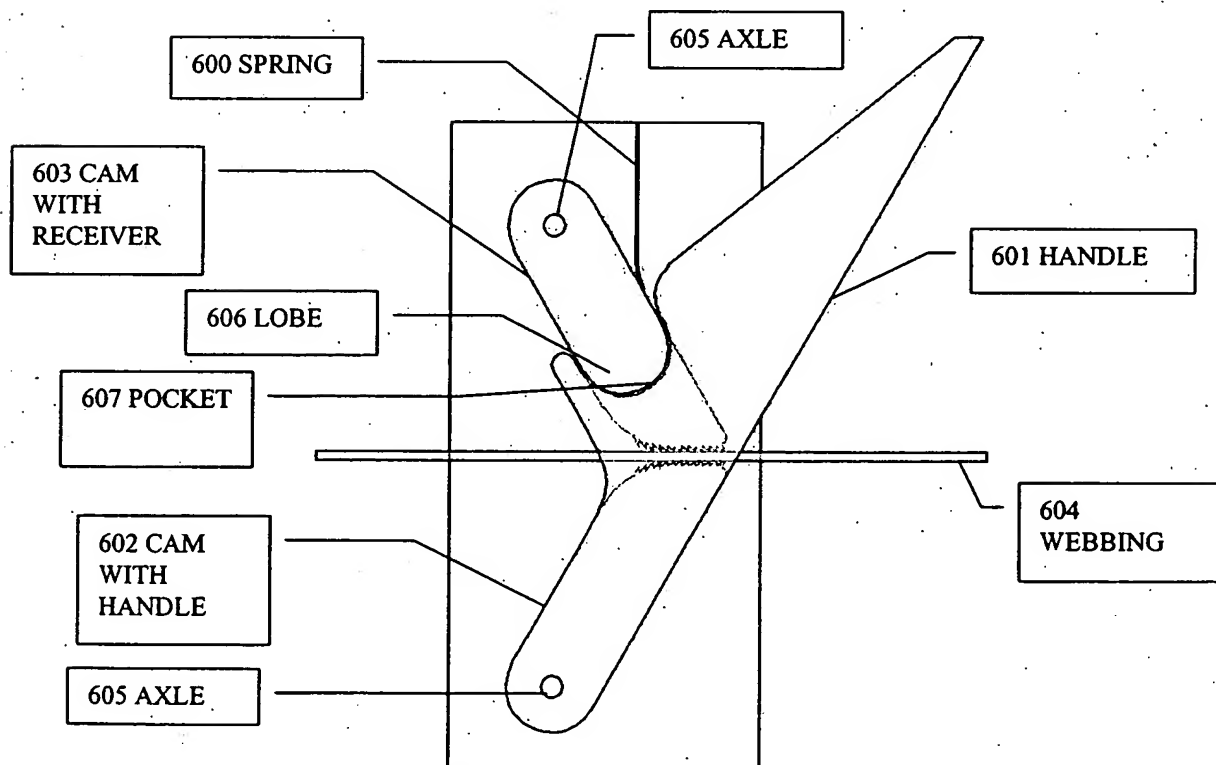


Figure 6: Alternative Embodiment with one handle that controls both cams

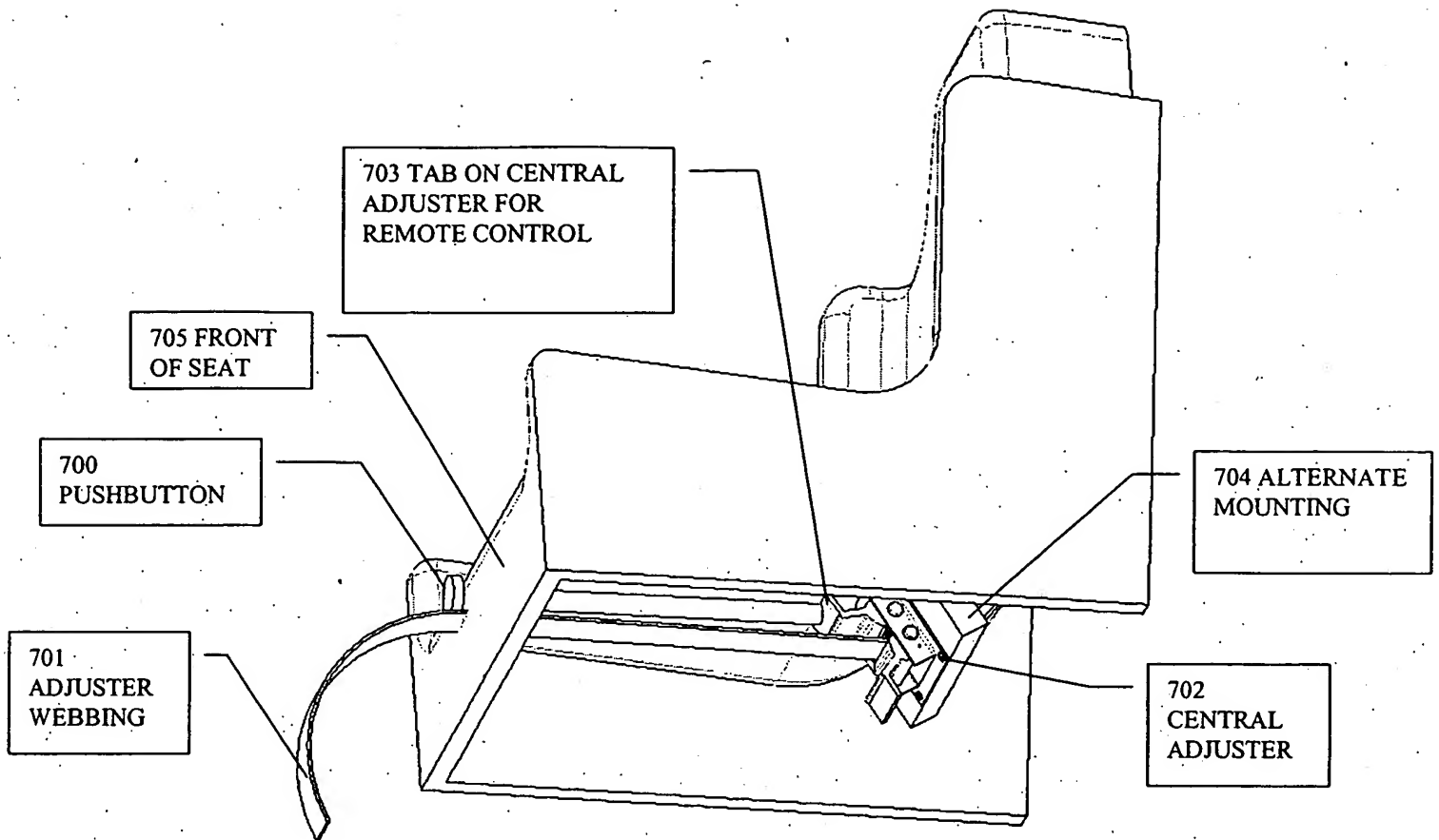


Figure 7: Remotely controlling the Central Adjuster for alternate placement in the seat.

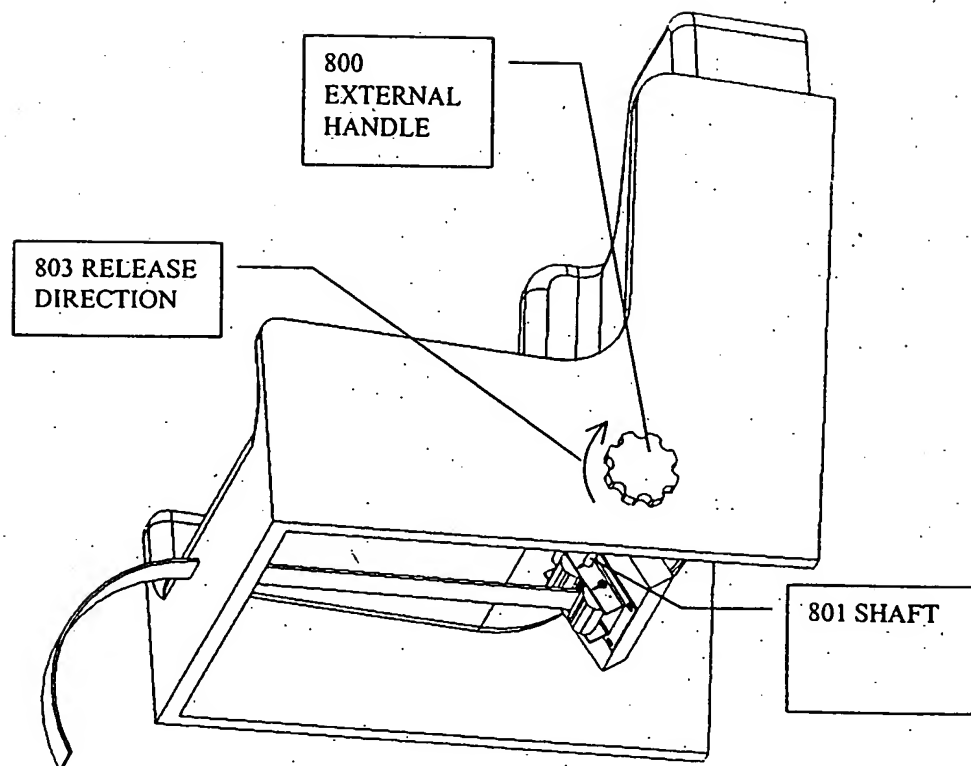


Figure 8: An external handle for rotation of the cam.



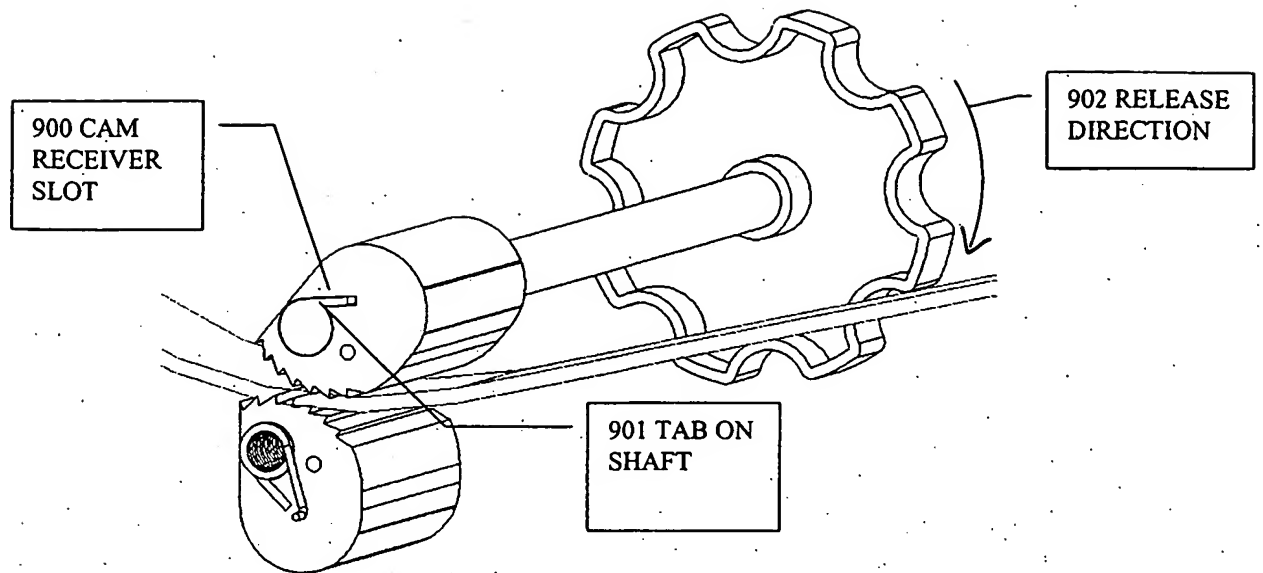


Figure 9: A detail view of the External Handle, Shaft, and Cams. Note: The spring in the upper cam is not shown for clarity in the figure. Handle is shown on opposite side from that shown in Figure 8.

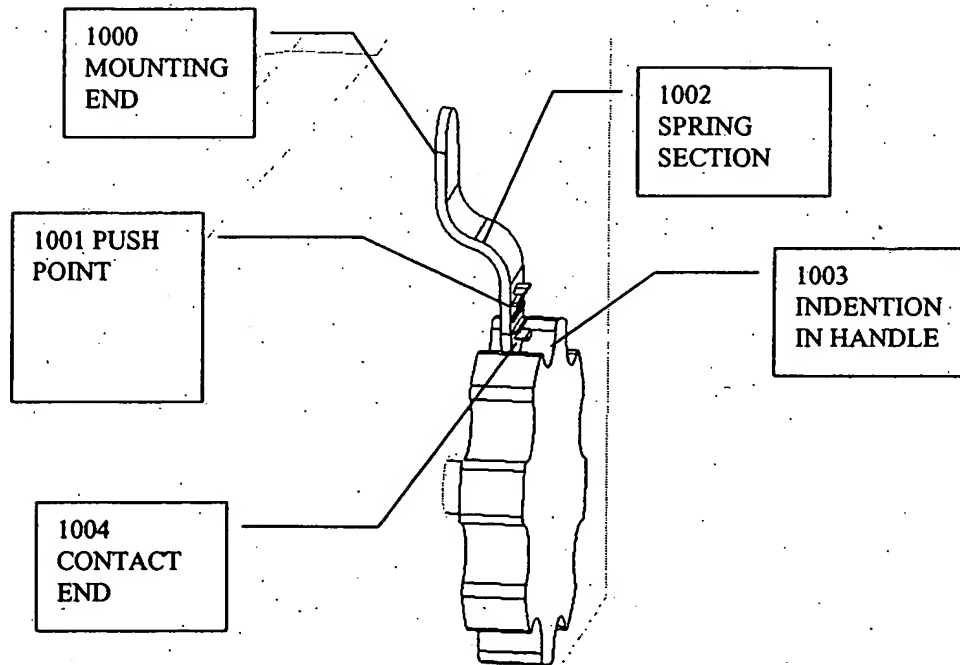
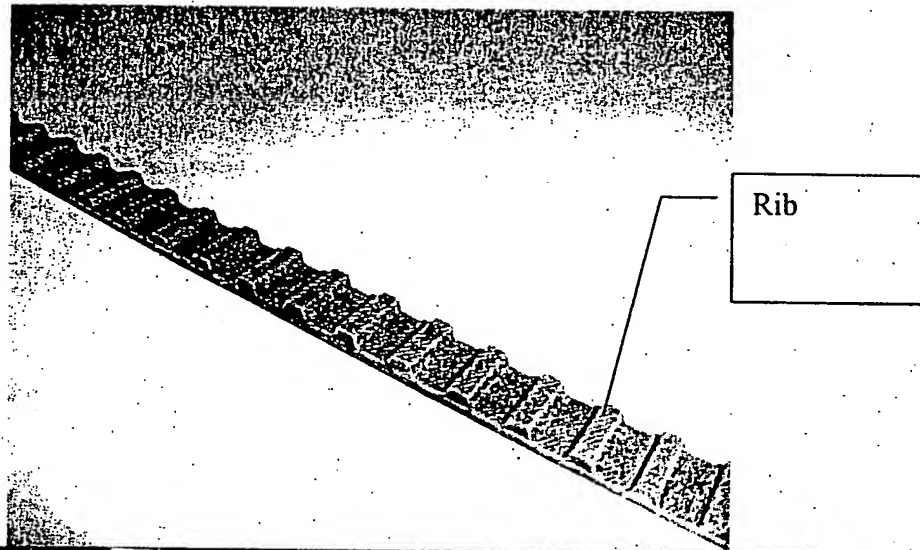


Figure 10: Locking device for the handle.

Fig 11a

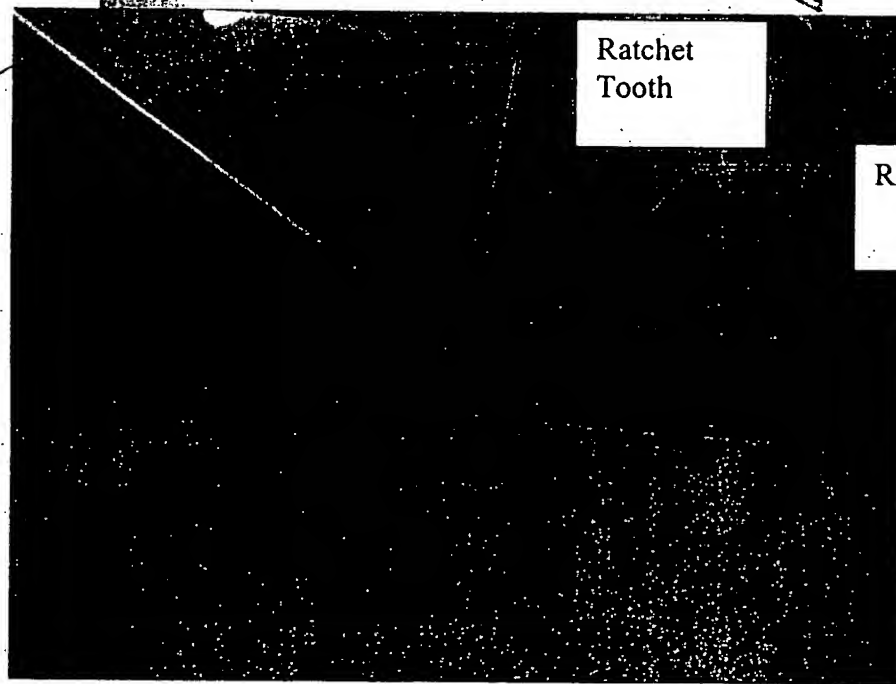


Angle

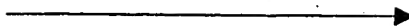
Ratchet  
Tooth

Rib

Fig 11b



Direction of Free Motion



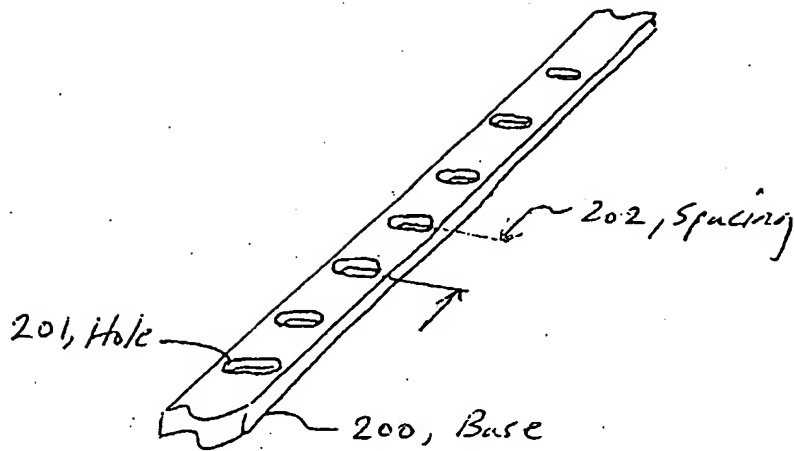


Figure 12a: Alternate Embodiment of Belt, Holes

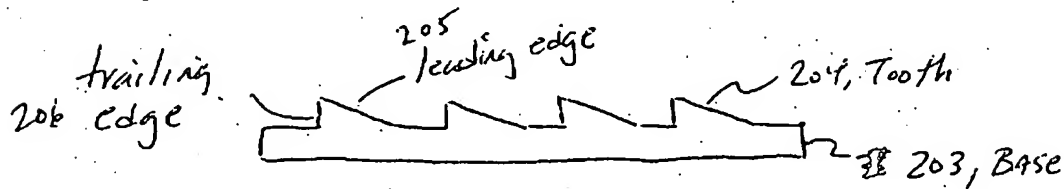


Figure 12b: Alternate Embodiment of Belt, Ratchet Teeth

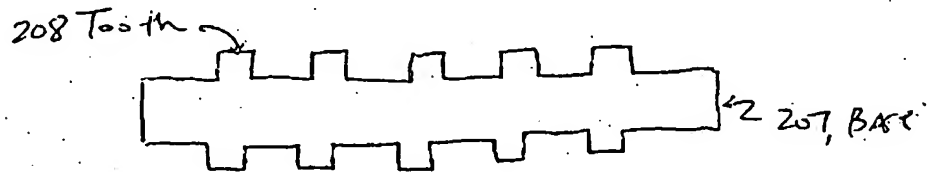


Figure 12c: Alternate Embodiment of Belt, Teeth on multiple sides of Belt

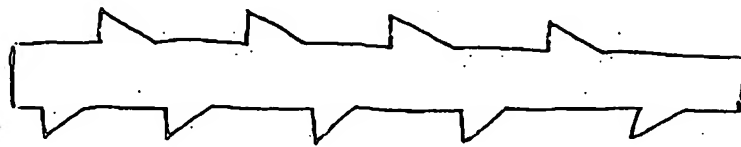


Figure 12d: Alternate Embodiment of Belt, Multiple rows of teeth for fine adjustment with teeth out-of-phase

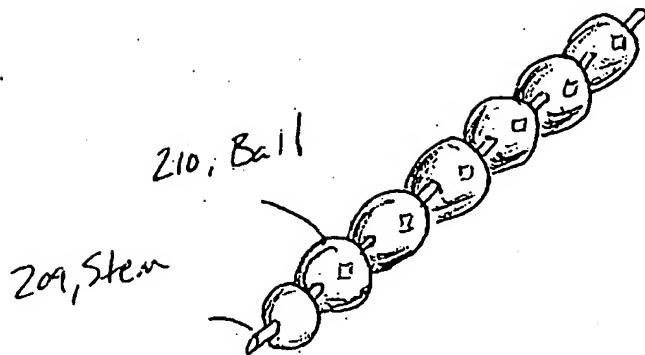


Figure 12e: Alternate Embodiment of Belt, Pull Chain

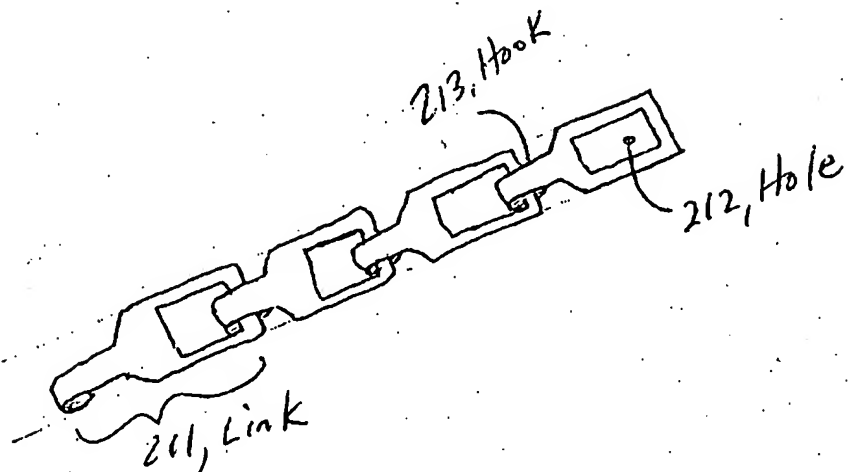


Figure 12f: Alternate Embodiment of Belt, Flat Chain

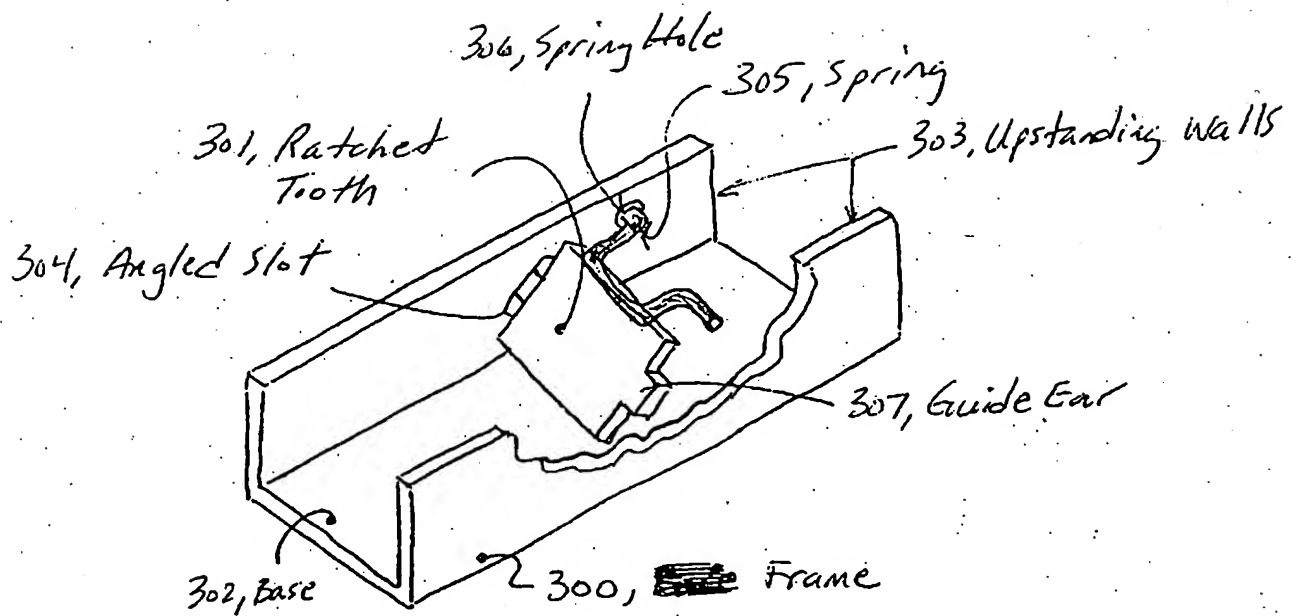


Figure 13, Preferred Embodiment of Locking Device

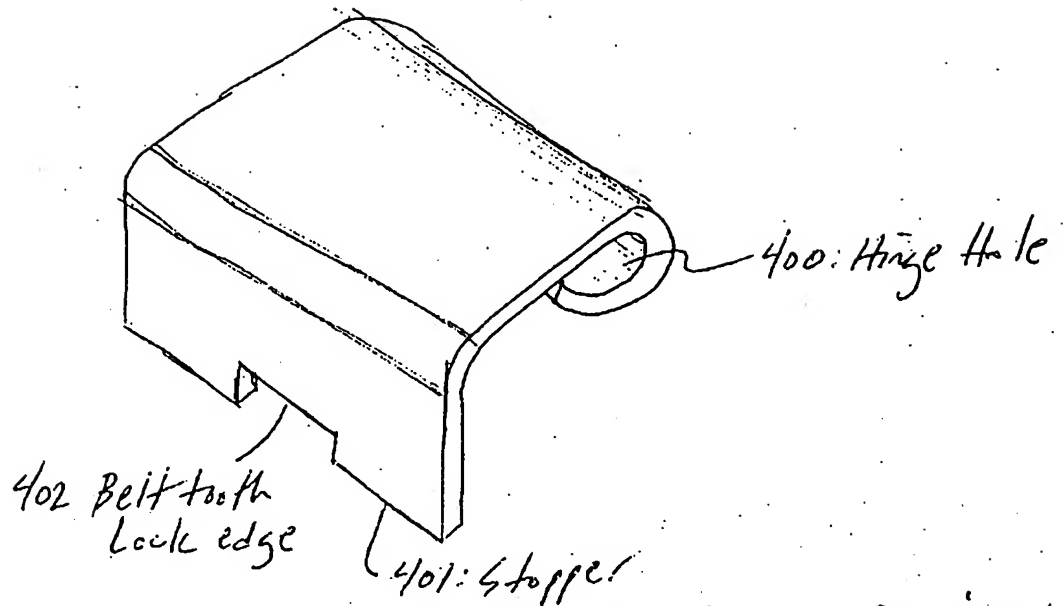


Figure 4: Alternate Embodiment of Locking Device: Pivoting tooth

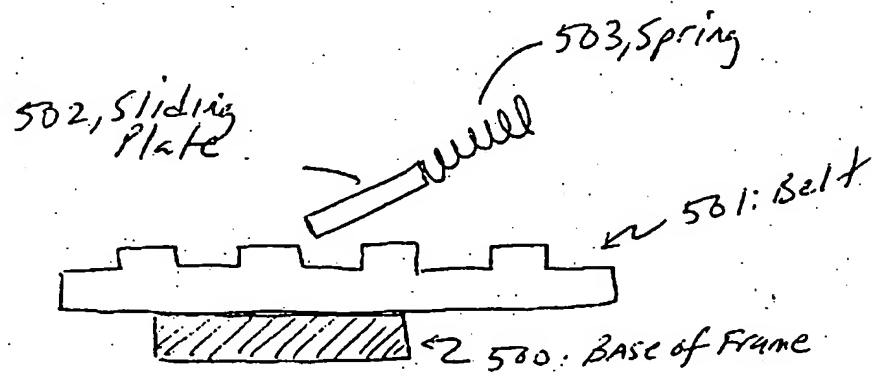


Figure 5a: Unlocked Condition of Central Adjuster

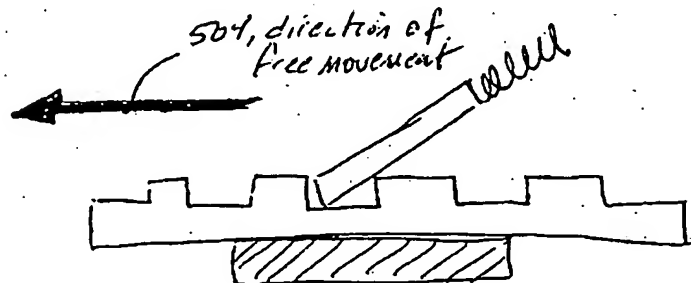


Figure 5b: Locked Condition of Central Adjuster

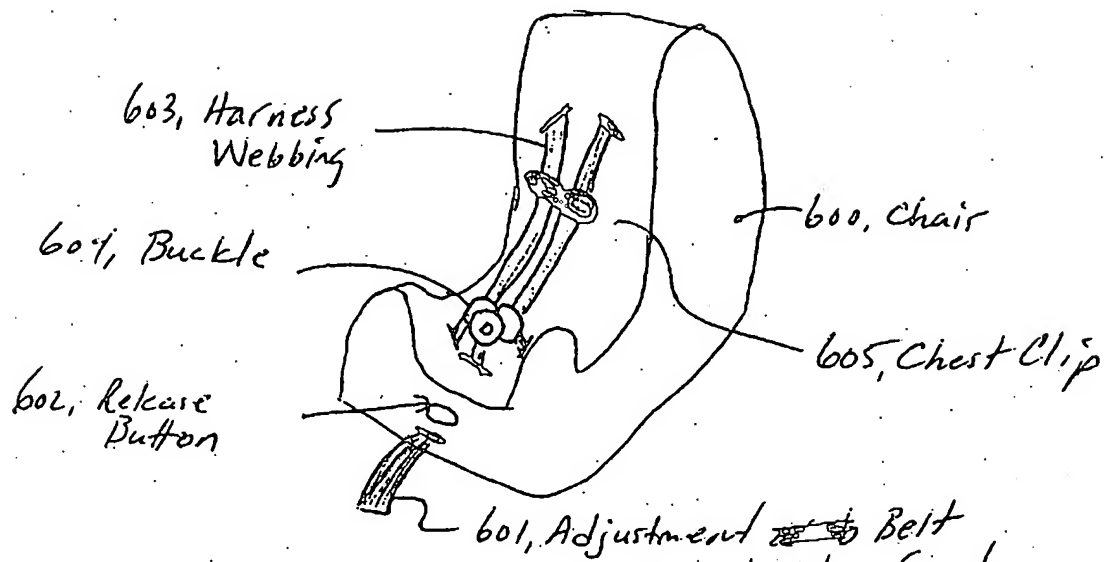


Figure 16: Basic Assy of Adjustable Seat

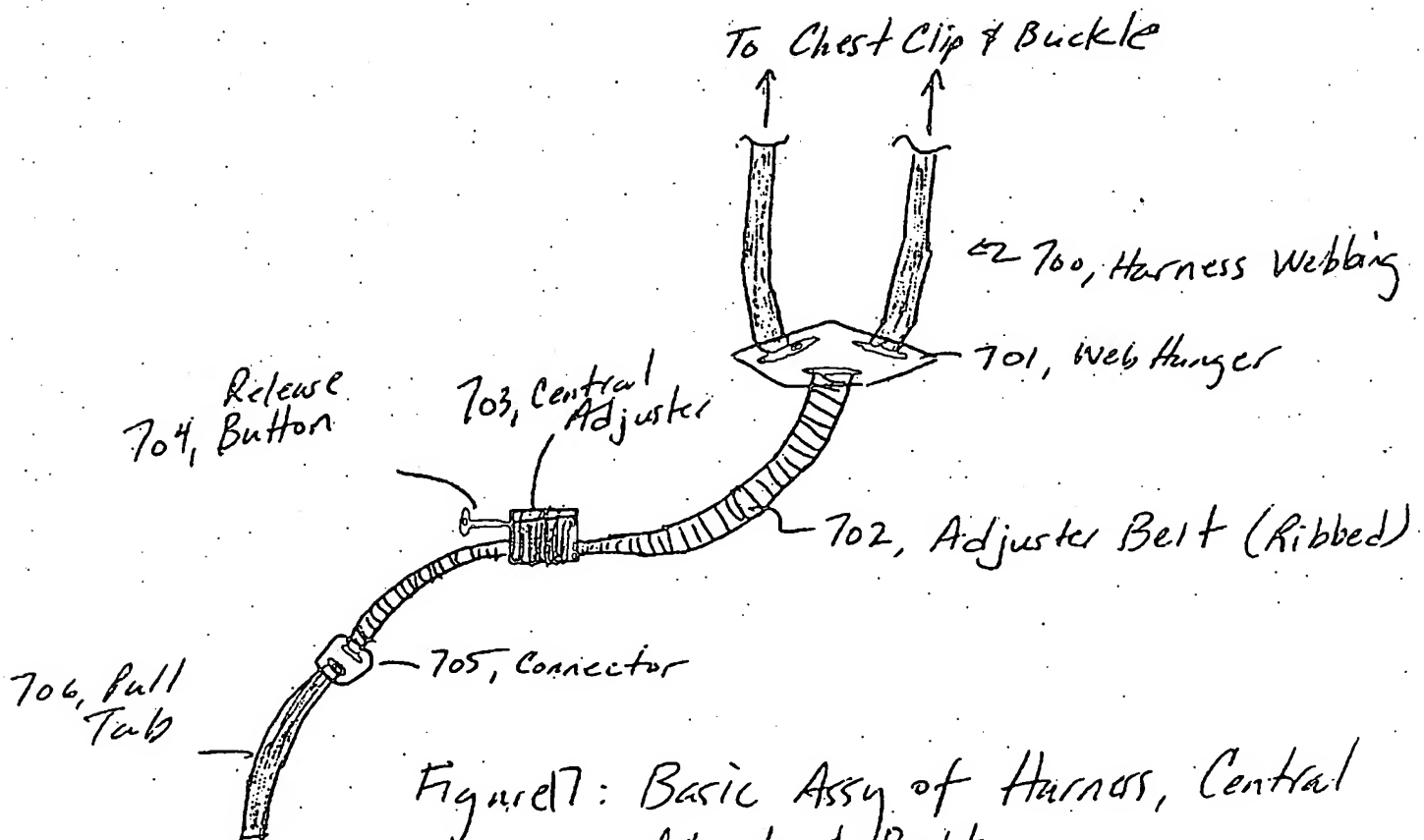


Figure 17: Basic Assy of Harness, Central Adjuster & Belt